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Zeichen/Ref./Réf. A190EP	Anmeldung Nr/Application No./Demande n°./Patent Nr./Patent No./Brevet n°. 02360333.5-1524-
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire	

### COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

- Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.
- The following specifications given by the applicant have been approved by the Search Division:

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The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

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## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



### **EUROPEAN SEARCH REPORT**

Application Number EP 02 36 0333

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#### ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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# ABSTRACT / ZUSAMMENFASSUNG / ABREGE

02360333.5

A planar lightwave circuit (PLC) (1;20) comprises an optical device, where the optical device comprises at least one segment of fiber (5;24) which has at least one thin film layer deposited on an end-facet (9;28). Thus, a thin film filter can be integrated in a PLC with minimized insertion loss and high mechanical stability for athermalization. A method of producing fiber segments with coated end-facet is also disclosed.